Friday, 03/04/2009 7:39:32 AM

User: Chantal Lavoie

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number

: 46910

Estimate Number

: 10058

P.O. Number

This Issue Prsht Rev.

: 03/04/2009 S.O. No. :

: NC

First Issue : //

: 45494 **Previous Run**

Written By

Checked & Approved By

Comment

: Est.

Type

02.11.12 New Issue

: PURCHASED PARTS

KJ/RF

Drawing Name

Part Number

: D2622120C D2622 REV C1

: STEP EXTRUSION

Drawing Number Project Number

Ch09/04/03

: N/A : C1

Drawing Revision Material

Due Date

: 17/04/2009

Qty:

120 Um:

Each

Additional Product

Job Number:



Seq. #:

1.0

Machine Or Operation:

Description: **PURCHASING**

Comment: PURCHASING

PG

Issue P/O: 2496

- a) Extrude as per Dwg D2622 Rev. C
- b) Material: 6061-T6 (QQ-A-200/8)
- c) Minimum yield tensile strength = 35 ksi
- d) Minimum ultimate tensile strength = 38 ksi
- e) Minimum elongation = 8%
- f) Order at 120" longg) Bon L Canada Inc. tool # 897123 Rev. A
- h) To be packed per DSK 066
- i) Pull test to ASTM standard B221 required.
- j) Material certification is required

2.0

D2622120CP

Extrusion



Comment: Qty.:

1.0000 Each(s)/Unit

Total: 120.0000 Each(s)



3.0

Extrusion PACKAGING 1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

4.0

QC6



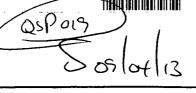
PACKAGING RESOURCE #1

Comment: DIMENSIONAL CHECK

Inspect dimension per Dwg D2622

Check Pull test per Dwg D2622 for compliance page attached

Check hardness with Webster tester



Dart Aeros	space Ltd
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W/O:			WORK ORDER CHANGES								
DATE	STEP	PRO	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
				1							
Part No);	PAR #:	Fault Category:	NCR: Ye	s No DQ	A:	Date: _	<u> </u>			

	R	esolution:	Dispositio	on:	QA: N/C Clos	sed:	Date: _	
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)	***		
		Description of NC		Corrective Action Section	on B	Verification	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC inspector
	i 						ï	
	i.							
							1	

NOTE: Date & initial all entries

Resolution:

Date: Friday, 03/04/2009 7:39:32 AM User: Chantal Lavoie **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services **Drawing Name: STEP EXTRUSION** Job Number: 46910 Part Number: D2622120C Job Number: Seq. #: **Machine Or Operation:** Description: 5.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock B1 007 42 = 123 Hm 09/04/15 Location: Oog mr 09-04-16 6.0 QC21 FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Ltd

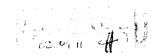
W/O:		WORK ORDER CHANGES							
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								·	
Part No	•	PAR #:	Fault Cate	jory:	_ NCR: Yes	No DQ	A:	Date:	
	Re	esolution:	Disposition	1:	_ QA: N/C C	losed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NC	R)			
DATE	STEP	Description of NC			ion B	Verific	cation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Secti	ion C	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

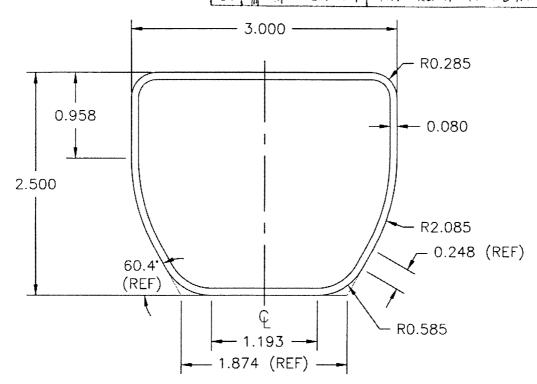




DESIG	N KE	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHEC	KED W	APPROVED	DRAWING NO. REV. C
	H	1	D2622 SHEET 1 OF 1
DATE			TITLE SCALE
02.0	09.11		STEP EXTRUSION 1:1
Α		96.11.29	NEW ISSUE
D		07 12 12	CHANCE MATERIAL ARRIVED TOLL OCI



Α	96.11.29	NEW ISSUE
В	97.12.12	CHANGE MATERIAL, ADD TOL. QSI
С	02.09.11	0.080 WAS 0.085; ADD PART & DIE No.
CI	A 1 02 10 C4	ADD 'COVA' TO DE NUMBER



D2622-XXX STEP EXTRUSION

- 1) PART NUMBER IS D2622-XXX WHERE 'XXX' IS CUT LENGTH IN INCHES (EG. D2622-120 IS 120" LONG)
- 2) MATERIAL 6061-T6 (QQ-A-200/8)
- 3) MANUFACTURED USING BON-L DIE # 897123 REV. A
- 4) A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE MINIMUM MECHANICAL PROPERTIES STATED BELOW:

MINIMUM TENSILE YIELD STRENGTH = 35 ksi MINIMUM ULTIMATE TENSILE STRENGTH = 38 ksi MINIMUM ELONGATION = 8%

209/04/03

- 5) PART IS SYMMETRIC ABOUT CENTERLINE
- 6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 7) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES	CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
			1						
Part No	•	PAR #: Pault Category: NC	R: Yes	No DQA	\:	_ Date: _	ļ		

Resolution: _____ Disposition: _____ QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification		A			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto			
								1			
					-		1,				

NOTE: Date & initial all entries



ORDER DATE

46024 04/03/09

ACST# 00046024

PHONE 613-632-5200

CUSTOMERID

SHIP TO SOLD TO / PURCHASER DART AEROSPACE LTD. DART AEROSPACE LTD. 1270 ABERDEEN ST. 1270 ABERDEEN ST. HAWKESBURY ON HAWKESBURY K6A 1K7 CN K6A 1K7 1 CN

PHONE 613-632-5200

CUSTOMER PO NUMBER

8496

ON

INVOICING COMPANY AND LOCATION SIGNATURE ALUMINUM CANADA 500 EDWARD AVENUE RICHMOND HIL ON L4C 4Y9

THESE NUMBERS ON ALL CORRESPONDENCE TERMS / FREIGHT 0 / P

MANIFEST DATE 04-08-09 MANIFEST NUMBER 657532 SALES ORDER NUMBER 46136

SHIPPING MANIFES I

CREDIT REP HAMBROOK, PAU 905-508-3250

REFER TO

SALES REP

LOCATION TRAILER NUMBER SALESMAN 57364 59358

FIELD SALES REP Kutter A 450-435-6551

CUST SERVICE REP Burton D 905-427-2227

BILL OF LADING NUMBER 08391012

			· ·	MFG. PART NUMBER	ALLOY & TEMPER	FINISH DESCRIPTIONN		THIS SHIPMEN	τ		
NO.	ORIGINAL ORDER QUANTITY	UNIT	PREVIOUS SHIPPED QUANTITY	CUSTOMER PART NUMBER	LENGTH CUTTING TOLERANCE	FABRICATION DESCRIPTION SHIPPING TOLERANCE	NBR OF PKGS	GROSS POUNDS	NET QUANTITY	UNIT	QUANTITY DUE
01		KG	0	DAA-897123-1	6061 /T6	MILL	2	526	506	KG	0
		М	٥	D2622	120"	CERTIFICATE OF COMP			374.91	M	0
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Townsort	nting/Treffic dog	and/c-	shortene deime c t-	be noted on the delivery copy of sellers shipping r	manifests and signed s- 1 d-4	d below	2	526	506 374.91	KG M	

RIH

JOB

by customers authorized representatives.

No return materials will be accepted for credit without permission. The articles and/or services covered by this shipping manifest were produced in accordance with the fair tabor standards act of 1938 as amended. Order accepted subject to the terms and conditions stated on the reverse side.

PAGE

123 PC

TOTALS



CERTIFICATE OF COMPLIANCE

SIGNATURE ALUMINUM CANADA

500 EDWARD AVENUE RICHMOND HILL, ON L4C 4Y9

		Sales Order	Page
04/08/09	189768	46136	1
8.17.18.79	036 Sec.	1.61	Date
8496	08391012	46136010	4/08/09

Sold To 46024

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Item No	Part No II	am Description		Gust Part
1.000	DAA-897123-1	120" Mill 6061 T6		D2622
Gross Weight	526 KG	S		
Net City	506 KG	123 PC	375 M	2 PKG
Hei Mil			1	

Specification

AMS-QQ-A-200/8 & ASTM B221-08

Mechai Test No.		Tests: nsile / KSI			Yield A / KSI		%Elonga	ition	Cond	uctivi		end/ rift	HREW
1	308.3	/ 44.	.7	270.4	4 / 39.2	 <u>2</u>		11.3			.0	• • • •	92
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This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgment form. No other warranties are applicable.

D. VanBakel, QA Manager Signature Aluminum Canada Inc

5/04/13

B1144 Rev: C